STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/566,535
Source: FEWP
Date Processed by STIC: 2/7/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, **PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/566,535

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4	Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5	Variable Length	Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10	Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11	Use of <220>	Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13	Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC – Biotechnology Systems Branch – 09/09/2003

IFWP

RAW SEQUENCE LISTING DATE: 02/07/2006
PATENT APPLICATION: US/10/566,535 TIME: 10:08:23

Input Set : A:\sequence listing.DOC
Output Set: N:\CRF4\02012006\J566535.raw

3 <110> APPLICANT: Kiyotaka Shiba and Kenichi Sano
5 <120> TITLE OF INVENTION: Peptides capable of binding to titanium, silver, and silicone
7 <130> FILE REFERENCE: 4439-4039
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/566,535
C--> 9 <141> CURRENT FILING DATE: 2006-01-30
9 <150> PRIOR APPLICATION NUMBER: JP2003-282509
10 <151> PRIOR FILING DATE: 2003-07-30
12 <160> NUMBER OF SEQ ID NOS: 56
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 6
18 <212> TYPE: PRT
19 <213> ORGANISM: Artificial
21 <220> FEATURE:
22 <223> OTHER INFORMATION: delta7-12
24 <400> SEQUENCE: 1
26 Arg Lys Leu Pro Asp Ala
27 1 5
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 6
32 <212> TYPE: PRT
33 <213> ORGANISM: Artificial
35 <220> FEATURE:
36 <223> OTHER INFORMATION: K2A-delta7-12
38 <400> SEQUENCE: 2
40 Arg Ala Leu Pro Asp Ala
41 1 5
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 12
46 <212> TYPE: PRT
47 <213> ORGANISM: Artificial
49 <220> FEATURE:
50 <223> OTHER INFORMATION: e3-2-3
52 <400> SEQUENCE: 3
54 Arg Lys Leu Pro Asp Ala Pro Gly Met His Thr Trp
55 1 5 10
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 12
60 <212> TYPE: PRT
61 <213> ORGANISM: Artificial
63 <220> FEATURE:
64 <223> OTHER INFORMATION: R1A
66 <400> SEQUENCE: 4

Does Not Comply
Corrected Diskette Needed
(pg. 1-5)

Invalid Response

Invalid Response

See item # 11 on error summary sheet.

Invalid Response

What is the source of genetic material?

Same error

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RAW SEQUENCE LISTING DATE: 02/07/2006
PATENT APPLICATION: US/10/566,535 TIME: 10:08:23

Input Set : A:\sequence listing.DOC
Output Set: N:\CRF4\02012006\J566535.raw

Same errors

See item #11 on error summary sheet.

```
 68 Ala Lys Leu Pro Asp Ala Pro Gly Met His Thr Trp
 69 1               5                  10
 72 <210> SEQ ID NO: 5
 73 <211> LENGTH: 12
 74 <212> TYPE: PRT
 75 <213> ORGANISM: Artificial
 77 <220> FEATURE:
 78 <223> OTHER INFORMATION: K2A
 80 <400> SEQUENCE: 5
 82 Arg Ala Leu Pro Asp Ala Pro Gly Met His Thr Trp
 83 1               5                  10
 86 <210> SEQ ID NO: 6
 87 <211> LENGTH: 12
 88 <212> TYPE: PRT
 89 <213> ORGANISM: Artificial
 91 <220> FEATURE:
 92 <223> OTHER INFORMATION: D3A
 94 <400> SEQUENCE: 6
 96 Arg Lys Leu Pro Asp Ala Pro Gly Met His Thr Trp
 97 1               5                  10
100 <210> SEQ ID NO: 7
101 <211> LENGTH: 12
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial
105 <220> FEATURE:
106 <223> OTHER INFORMATION: P4A
108 <400> SEQUENCE: 7
110 Arg Lys Leu Ala Asp Ala Pro Gly Met His Thr Trp
111 1              5                  10
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 12
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial
119 <220> FEATURE:
120 <223> OTHER INFORMATION: D5A
122 <400> SEQUENCE: 8
124 Arg Lys Leu Pro Ala Ala Pro Gly Met His Thr Trp
125 1              5                  10
128 <210> SEQ ID NO: 9
129 <211> LENGTH: 12
130 <212> TYPE: PRT
131 <213> ORGANISM: Artificial
133 <220> FEATURE:
134 <223> OTHER INFORMATION: P7A
136 <400> SEQUENCE: 9
138 Arg Lys Leu Pro Asp Ala Ala Gly Met His Thr Trp
139 1              5                  10
142 <210> SEQ ID NO: 10
143 <211> LENGTH: 12
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RAW SEQUENCE LISTING DATE: 02/07/2006
PATENT APPLICATION: US/10/566,535 TIME: 10:08:23

Input Set : A:\sequence listing.DOC
Output Set: N:\CRF4\02012006\J566535.raw

144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial
147 <220> FEATURE:
148 <223> OTHER INFORMATION: G8A
150 <400> SEQUENCE: 10
152 Arg Lys Leu Pro Asp Ala Pro Ala Met His Thr Trp
153 1 5 10
156 <210> SEQ ID NO: 11
157 <211> LENGTH: 12
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial
161 <220> FEATURE:
162 <223> OTHER INFORMATION: M9A
164 <400> SEQUENCE: 11
166 Arg Lys Leu Pro Asp Ala Pro Gly Ala His Thr Trp
167 1 5 10
170 <210> SEQ ID NO: 12
171 <211> LENGTH: 12
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial
175 <220> FEATURE:
176 <223> OTHER INFORMATION: H10A
178 <400> SEQUENCE: 12
180 Arg Lys Leu Pro Asp Ala Pro Gly Met Ala Thr Trp
181 1 5 10
184 <210> SEQ ID NO: 13
185 <211> LENGTH: 12
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: T11A
192 <400> SEQUENCE: 13
194 Arg Lys Leu Pro Asp Ala Pro Gly Met His Ala Trp
195 1 5 10
198 <210> SEQ ID NO: 14
199 <211> LENGTH: 12
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial
203 <220> FEATURE:
204 <223> OTHER INFORMATION: W12A
206 <400> SEQUENCE: 14
208 Arg Lys Leu Pro Asp Ala Pro Gly Met His Thr Ala
209 1 5 10
212 <210> SEQ ID NO: 15
213 <211> LENGTH: 13
214 <212> TYPE: PRT
215 <213> ORGANISM: Artificial
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Ala insert

same errors

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RAW SEQUENCE LISTING DATE: 02/07/2006
PATENT APPLICATION: US/10/566,535 TIME: 10:08:23

Input Set : A:\sequence listing.DOC
Output Set: N:\CRF4\02012006\J566535.raw

220 <400> SEQUENCE: 15
222 Ala Arg Lys Leu Pro Asp Ala Pro Gly Met His Thr Trp
223 1 5 10
226 <210> SEQ ID NO: 16
227 <211> LENGTH: 12
228 <212> TYPE: PRT
229 <213> ORGANISM: Artificial
231 <220> FEATURE:
232 <223> OTHER INFORMATION: e3-2-2
234 <400> SEQUENCE: 16
236 Leu Asp Thr Thr Gln Val Ser Gly Pro Met Ser Ser
237 1 5 10
240 <210> SEQ ID NO: 17
241 <211> LENGTH: 12
242 <212> TYPE: PRT
243 <213> ORGANISM: Artificial
245 <220> FEATURE:
246 <223> OTHER INFORMATION: e3-2-5
248 <400> SEQUENCE: 17
250 Ser Tyr Arg Leu Pro Val Tyr Leu His Ala Leu Leu
251 1 5 10
254 <210> SEQ ID NO: 18
255 <211> LENGTH: 12
256 <212> TYPE: PRT
257 <213> ORGANISM: Artificial
259 <220> FEATURE:
260 <223> OTHER INFORMATION: e3-2-8
262 <400> SEQUENCE: 18
264 Ser Asp Pro Gln Gln Asp Trp Arg Arg Thr Thr Pro
265 1 5 10
268 <210> SEQ ID NO: 19
269 <211> LENGTH: 12
270 <212> TYPE: PRT
271 <213> ORGANISM: Artificial
273 <220> FEATURE:
274 <223> OTHER INFORMATION: e3-2-12
276 <400> SEQUENCE: 19
278 Leu Pro Ser Gln Leu Leu Ser Gln Val Gln Leu Thr
279 1 5 10
282 <210> SEQ ID NO: 20
283 <211> LENGTH: 12
284 <212> TYPE: PRT
285 <213> ORGANISM: Artificial
287 <220> FEATURE:
288 <223> OTHER INFORMATION: e3-2-19
290 <400> SEQUENCE: 20
292 Leu Cys Ala Gln Gln Thr Thr Ser Val His Pro Pro
293 1 5 10
296 <210> SEQ ID NO: 21

same errors =

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RAW SEQUENCE LISTING DATE: 02/07/2006
PATENT APPLICATION: US/10/566,535 TIME: 10:08:23

Input Set : A:\sequence listing.DOC
Output Set: N:\CRF4\02012006\J566535.raw

same errors

297 <211> LENGTH: 12
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial
301 <220> FEATURE:
302 <223> OTHER INFORMATION: e3-2-21
304 <400> SEQUENCE: 21
306 Met Gln Met Glu Gly Lys Pro Thr Leu Thr Leu Arg
307 1 5 10
310 <210> SEQ ID NO: 22
311 <211> LENGTH: 12
312 <212> TYPE: PRT
313 <213> ORGANISM: Artificial
315 <220> FEATURE:
316 <223> OTHER INFORMATION: e3-2-29
318 <400> SEQUENCE: 22
320 Ser Thr Leu Lys Gln Pro Ile Gln Leu Leu Ala Gln
321 1 5 10
324 <210> SEQ ID NO: 23
325 <211> LENGTH: 12
326 <212> TYPE: PRT
327 <213> ORGANISM: Artificial
329 <220> FEATURE:
330 <223> OTHER INFORMATION: e3-2-43
332 <400> SEQUENCE: 23
334 Ser Cys His Val Trp Tyr Asp Ser Cys Ser Ser Pro
335 1 5 10
338 <210> SEQ ID NO: 24
339 <211> LENGTH: 12
340 <212> TYPE: PRT
341 <213> ORGANISM: Artificial
343 <220> FEATURE:
344 <223> OTHER INFORMATION: e3-2-55
346 <400> SEQUENCE: 24
348 Gln Asp Met Ile Arg Thr Ser Ala Leu Met Leu Gln
349 1 5 10
352 <210> SEQ ID NO: 25
353 <211> LENGTH: 9
354 <212> TYPE: PRT
355 <213> ORGANISM: Artificial
357 <220> FEATURE:
358 <223> OTHER INFORMATION: e3-4-2
360 <400> SEQUENCE: 25
362 Cys Thr Ser Pro Thr Ser Val Asp Cys
363 1 5
366 <210> SEQ ID NO: 26
367 <211> LENGTH: 9
368 <212> TYPE: PRT
369 <213> ORGANISM: Artificial
371 <220> FEATURE:

The type of errors shown exist throughout the Sequence Listing. Please check subsequent [illegible] for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/07/2006
PATENT APPLICATION: US/10/566,535 TIME: 10:08:24

Input Set : A:\sequence listing.DOC
Output Set: N:\CRF4\02012006\J566535.raw

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52,53,54,55,56

VERIFICATION SUMMARY DATE: 02/07/2006
PATENT APPLICATION: US/10/566,535 TIME: 10:08:24

Input Set : A:\sequence listing.DOC
Output Set: N:\CRF4\02012006\J566535.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date